ISSN 0027-965X

NATIONAL LIBRARY OF MEDICINE NEWS

Published for health science libraries and staff
of the National Library of Medicine

Vol. XXXI, No. 12 | Bethesda, Maryland | December 1976

Message from the Director

As our bicentennial year draws to a close, I wish to thank the staff of the National Library of Medicine for the dedication and untiring effort they have brought to their tasks. I also wish to acknowledge the support we at NLM have received from librarians and health professionals all over the country. Although we should not become complacent, I believe we can permit ourselves a feeling of accomplishment as we look back over 1976. Among the highlights at the Library this year:

- The appropriation of $26 million for the construction of the Lister Hill Center building. This is a landmark in the Library's history for it will combine under one roof the talents of a wide range of health professionals, information scientists, librarians, computer experts, educators, and audiovisual specialists. The new building, to be adjacent to the present library, will be completed in late 1979.

- On May 6 and 7, 1976, the Library and the Josiah Macy, Jr. Foundation sponsored a highly successful "Colloquium on the Bicentennial of Medicine in the United States" at the National Institutes of Health. Several hundred distinguished physicians, scientists, and educators gathered to discuss a series of topics related to U.S. medicine.

- Two new on-line data bases made their appearance in 1976, joining MEDLINE and the other retrieval services. They are CANCERPROJ (ongoing cancer research projects and clinical trials), a cooperative effort between the Library and the National Cancer Institute , and EPILEPSYLINE (citations and abstracts relating to epilepsy), in cooperation with the National Institute of Neurological and Communicative Disorders and Stroke.

- The use of MEDLINE and the other on-line bibliographic retrieval services continues to grow. Searches are now being done at the rate of about 600,000 per year; the number of institutions in the network is over 600.

- Three more countries over the past year have entered into partnership arrangements with NLM for MEDLARS/MEDLINE cooperation: Iran, Mexico, and South Africa. They join eight other NLM partners: Australia, Canada, France, Germany, Japan, Sweden, the United Kingdom, and the World Health Organization. Under the agreements, the foreign partners provide indexed citations for NLM's MEDLARS® data base; in return they receive the MEDLARS computer tapes or direct on-line access to the Library's computers in Bethesda.

I would like to thank all who have made possible these and other accomplishments too numerous to mention here.

On behalf of the NLM staff I would like to wish all readers of the *NLM News* a joyous holiday season and a prosperous New Year.

Martin M. Cummings

Martin M. Cummings, M.D.
Director

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NATIONAL LIBRARY OF MEDICINE
NEWS

Martin M. Cummings, M.D. Director, NLM

Robert B. Mehnert, Public Information Officer

Roger L. Gilkeson, Editor (301) 496-6308

Daniel L. Carangi, Graphics

8600 Rockville Pike, Bethesda, Maryland 20014

Director Elected to AAAS Board

Martin M. Cummings, M.D., Director of NLM, has been elected to the board of directors of the American Association for the Advancement of Science. The AAAS, founded in 1848, has nearly 300 affiliated societies and more than 112,000 individual members.

Dr. Cummings' term is for four years beginning January 1, 1977. He was elected along with Renée C. Fox, head of the Department of Sociology at the University of Pennsylvania.

RML Directors Meet

On November 17-18, the directors and associate directors of the 11 Regional Medical Libraries convened at the National Library of Medicine for their semi-annual meeting. Most of the discussion centered around a national plan for document delivery (interlibrary loan).

The group agreed on three principles: (1) a national plan for the health sciences should foster the growth of the existing, successful document delivery network; (2) equal access to health information should be a constant goal; (3) although there should be ample scope for regional variation, there must be no great discrepancies among regions or among states within regions as to access, costs, or operating practices.

Over the next few months, small groups made up of staff from NLM and the Regional Medical Libraries will work out definitions and procedures. These will be assembled and the RML directors will discuss a draft operating plan at their next meeting scheduled for June 1977 in Seattle.

Publication Notes

NLM Current Catalog, 1971-75

The Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, is now accepting orders for *National Library of Medicine Current Catalog, 1971-1975* (five books, sold only in sets, price: $113.00, $141.25 foreign; GPO Stock Number S/N-017-052-00172-8). The *Catalog* cumulates the 1971 through 1975 annual volumes, except that technical reports and audiovisual material cataloged during that time are not included. During this period, a major effort was undertaken to recatalog older citations using the ALA forms of names to conform to the *Anglo-American Cataloging Rules*. Approximately 5,000 of these citations, previously published in the 1965-1970 sexennial, are republished here with a revision symbol appearing after the citation number.

Bibliography of the History of Medicine, No. 10

The Superintendent of Documents is accepting orders for the *Bibliography of the History of Medicine, Number 10, 1970-1974* (price: $16.00, $20.00 foreign; S/N-017-052-00171-0). This tenth volume in the Library's series of bibliographies on the history of medicine cumulates the four annual bibliographies which preceded it; it also incorporates citations to several thousand articles and monographs which have been indexed since Bibliography Number 9 (1973) was published.

Compiled by the Library's History of Medicine Division, the bibliography provides an invaluable guide to the world's literature (published between 1970 and 1974) dealing with the history of medicine and related sciences, professions, and institutions. It includes over 21,000 entries and covers the complete historical and geographical spectrum. Citations are arranged by subject and author, with a

separate section listing individuals who are the subjects of articles and books.

Permuted MeSH,® 1977

Permuted Medical Subject Headings, 1977, is now available from the National Technical Information Service (Springfield, Virginia 22161) for $9.25 ($3.00 microfiche). NTIS Accession Number: PB-259-021 (supersedes PB 221-463). The 1977 *Permuted MeSH* is a computer-generated display of all terms in NLM's controlled vocabulary, including major descriptors, minor descriptors, and entry terms. *Permuted MeSH* takes each significant word appearing in any MeSH term and then lists all the terms in which that word appears. In the listing, the significant word appears at the margin, and indented under it, all the terms containing the same word are grouped together in alphabetical order by the first word in the phrase.

New Procedures for Current Awareness Service

MEDLINE and TOXLINE® users who require monthly updates of particular searches are encouraged to take advantage of an "Automatic SDI Service" now offered by NLM to all MEDLINE and TOXLINE centers. ("SDI" means "Selective Dissemination of Information.") The Library now uses new, simplified procedures whereby centers can request that certain search formulations be stored in the NLM computer for automatic processing each month, soon after the current month's citations have been entered into the system. The searches are printed off-line and mailed from NLM to the requesting center. For more information, contact your nearest MEDLINE or TOXLINE center.

Second CAI Report Available from NTIS

The Lister Hill Center's experimental CAI network tested the concept of sharing computer-assisted instruction materials (*News,* April 1973). This involved transplanting CAI materials from the campuses where they had been developed to sites which had had no previous exposure to this relatively new instructional medium. An evaluation of the network was conducted, under contract, by the Human Resources Research Organization (HumRRO) and published as a technical report: *Evaluation of the Experimental CAI Network, 1973-1975, of the Lister Hill National Center for Biomedical Communications, National Library of Medicine* (NTIS, PB-239-358, $5.00).

A second report has now been published dealing with the problems faced by developers of CAI on their own campuses. Also available from the National Technical Information Service (NTIS), it is titled *Evaluation of Biomedical Computer-Assisted Instruction from a User/Institutional Viewpoint* (Accession Number PB-258-561, $5.50, NTIS, Springfield, Virginia 22161).

This study, again by HumRRO, focussed on eight universities that had developed their own CAI programs: University of Kansas Medical Center, University of Wisconsin School of Medicine, University of Illinois-Urbana School of Basic Medical Sciences, Cornell University Medical College, University of California at San Francisco, UCLA School of Medicine, University of Alabama School of Medicine, and the University of the Pacific, Pacific Medical Center.

These universities were asked for data that could provide answers to the following questions:

- If students using CAI have specific attributes, what are they?
- Can any generalizations be established about the types of faculty involved in developing CAI materials?
- If incentives for faculty development of CAI have been offered, what are they and have they proven effective?
- Which modes of CAI instruction have the institutions chosen to emphasize in their programs? Do data exist on their effectiveness versus the effectiveness of traditional teaching and testing methods?
- Does CAI improve student performance?
- How was off-campus sharing accomplished? What problems were encountered with sharing CAI materials?

Early California Imprint Documents High Medical Costs After Gold Rush

The Library's History of Medicine Division recently acquired the *Constitution, By-Laws and Fee Bill of the San Francisco Medical Society* (San Francisco, 1850). This precedes by seven years what had previously been NLM's earliest California imprint and provides an interesting insight into the establishment of medical organizations after the opening of the Gold Rush. It is particularly interesting to compare some typical fees set in San Francisco with those provided in the Philadelphia fee bill of 1848 (here given in parentheses):

For a regular visit or office call	$32	($1 to $2)
Each hour, when detained	$32	($3)
For a post mortem examination in case of legal investigation	$200	($25 to $50)
Vaccination	$32	($5)
Amputation of a leg or arm	$300	($50)
Operation for cataract	$1000	($75 to $150)

Scholar/Authors Sought as Applicants for Special Scientific Project Grants

The National Library of Medicine is seeking applicants for its Special Scientific Project Grants Program. These grants support health scientists and practitioners in preparing scholarly booklength works on subjects of broad professional health interest.

The world's store of health-related knowledge continues to expand, published in a scattered, voluminous literature. Even with the assistance of computerized bibliographic retrieval systems to bring together related published reports, it is difficult to integrate and interpret the relevant lessons they contain. Frequently, the scientist or practitioner needs a bridge to a major domain of health knowledge other than his own. Thus, scholarly works of broad scale, authoritatively written and impeccably documented, should have immediate, as well as enduring, value for the health community.

Investigators supported by Special Scientific Project grants may analyze major fields in several ways. They may inductively develop generalizations, statements of relationship, and theories that are supported by the documented evidence they collate. Alternatively, they may deductively propose specific health programs or systems from established, documented evidence. Grantees may propound interpretive statements about combinations of current trends, values, social issues, and political relationships in areas related to health.

With grant funds available for their work, including related expenses such as clerical and editorial assistance, the grantees will be able to withdraw from their normal activities for a concentrated effort. The grants can help them complete manuscripts in a far shorter time than would otherwise be possible.

Applications for Special Scientific Project grants are reviewed under the peer group system common to all NIH grants. Because it is time-consuming and demanding for an investigator to prepare a formal proposal, and because only a few will be chosen, National Library of Medicine staff and reviewers will comment on brief letters of intent prepared by the investigators. Without having the quality of the proposal itself judged, a potential applicant can find out if a proposed project falls within the scope of the program and whether the Library and its reviewers encourage a formal proposal for funding.

Additional information may be obtained from:

Division of Biomedical Information Support
Extramural Programs
National Library of Medicine
8600 Rockville Pike
Bethesda, Maryland 20014
Telephone (301) 496-4221

Dr. Josephs

Branch Chief Appointed for Specialized Information Services

Melvin Jay Josephs, Ph.D., has been appointed to head the Technical Files Implementation Branch of the Library's Specialized Information Services. The Toxicology Information Program is the major activity of Specialized Information Services. Dr. Josephs will be responsible for developing and maintaining computer-based files for toxicology data and information.

He comes to the Library from the National Technical Information Service (Department of Commerce) where he was the Technical Journals Program Manager. Dr. Josephs has long experience in the literature of chemistry and toxicology: he has been managing editor of both *Environmental Science and Technology* and *Chemical and Engineering News,* and he is the co-author of the book *Chemistry and the Environment.*

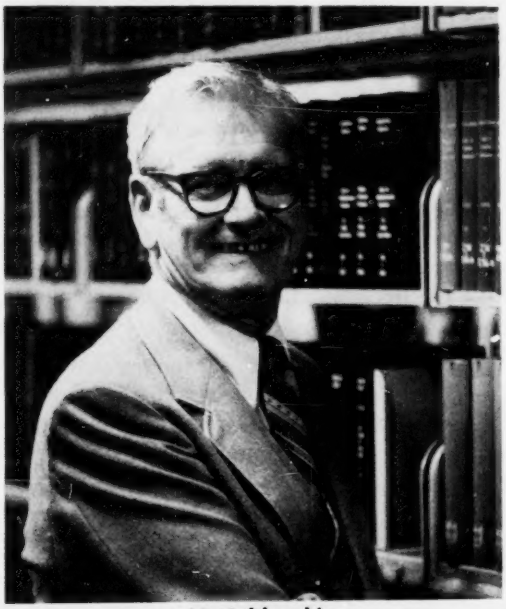
Dr. Josephs earned his Ph.D. in 1954 from Rutgers University, where he was elected to Phi Beta Kappa. His chief areas of academic concentration were chemistry, biology, taxonomy, and plant physiology.

Head NLM Indexer Retires

Stanley Jablonski, one of NLM's most colorful employees, retired on November 20. Mr. Jablonski came to the Army Medical Library in 1949 as an assistant cataloger. He left NLM as head of its Index Section, after establishing an international reputation as a leading bibliographer and indexer.

Mr. Jablonski compiled and edited a number of publications, among them the *Russian Drug Index,* a *Russian- English Medical Dictionary,* the *Illustrated Dictionary of Eponymic Syndromes,* and *Diseases and their Synonyms.* Indexers all over the world are indebted to him for the *Integrated Authority File, Technical Notes* and the many other tools published by the Index Section.

From its beginning with a small staff, the Index Section has grown to some 40 employees



Mr. Jablonski

responsible for indexing and reviewing all citations before they go into *Index Medicus*. Mr. Jablonski was also project officer for the contracts between NLM and commercial firms under which much of the indexing was done.

Among the accomplishments for which he will be remembered by his friends and co-workers are his two round-trip solo crossings of the Atlantic Ocean in a small sailboat. His colleagues all over the world wish him well in his future professional and marine endeavors.

Recent P.L. 480-Funded Publications

The Library's Special Foreign Currency Program, authorized under Public Law 480, provides limited financial support for the preparation of analytic critical reviews and biomedical monographs, secondary literature tools, scholarly research projects in the history of medicine, and support for the English-language translation and publication of selected foreign monographs in the health sciences. Administered by NLM's Extramural Programs, the P.L. 480 program has projects in India, Egypt, Poland, Israel, Tunisia, and Pakistan.

Among the recent monographs resulting from this program is Dr. S. Baranski and Dr. P. Czerski's *Biological Effects of Microwaves* (Warsaw: PZWL, 1976. Distributed in the United States by Dowden, Hutchinson and Ross, Stroudsburg, Pennsylvania $12.00). This critical survey of the literature probes into one of the most important problems in industrial and consumer health, as well as in environmental protection. The 235-page book presents reviews of the health of employees exposed to microwaves, symptoms of microwave overexposure in man, and exposure limits adopted by various countries.

Some of the other P.L. 480-funded publications received in the last year (not including journal articles) are listed below. *Note:* these are not distributed by NLM, but are available only from the publishers.

- Frank, Johann Peter. *A System of Complete Medical Police.* Selections from Johann Peter Frank. Edited with an introduction by Erna Lesky. Translated from the third revised edition of Vienna, 1786, by E. Vilim, Jerusalem, Israel Program for Scientific Translations. Baltimore, Maryland: The Johns Hopkins University Press, 1976. 469 pp. $18.50.

- Jablonska, Stefania (ed.). *Scleroderma and Pseudoscleroderma,* 2nd ed. Warsaw, Polish Medical Publishers, 1975. Distributed by Dowden, Hutchinson and Ross, Inc., Stroudsburg, Pennsylvania, 1975, 639 pp. $30.00.

- Kurylowicz, W. (ed.). *Antibiotics: A Critical Review.* Warsaw, Poland: Polish Medical Publishers. 1976. 204 pp. Distributed in the U.S. and Canada by the American Society for Microbiology, Washington, D.C. $6.00.

- Kurylowicz, W., Kurzatkowski, W., Williams, S.T., Woznicka, Wanda, and Paszkiewicz, Alina. *Atlas of Ultrastructure of Streptomyces in Course of Biosynthesis of Antibiotics.* Warsaw, Poland: Polish Medical Publishers, 1975. 112 pp. Distributed in U.S. by the American Society for Microbiology, Washington, D.C. $6.00.

- Lisiewicz, Jerzy. *Hemorrhage in Leukemias.* Warsaw, Poland: Polish Medical Publishers, 1976. 226 pp. Distributed by the National Technical Information Service, Springfield, Virginia. $8.25.

- Shapiro, L.B., Ostrovskii, I.A. (eds.). *Organization of Emergency Medical Care.* Translated from Russian by N. Kaner, Jerusalem, Israel Program for Scientific Translations. Baltimore, Maryland: The Johns Hopkins University Press, 1975, 165 pp. $11.00.

- Staszewski, Jerzy. *Epidemiology of Cancer of Selected Sites in Poland and Polish Migrants.* Cambridge, Massachusetts: Ballinger Publishing Company. 1976. 188 pp. $17.50.

- Tuli, S.M. *Tuberculosis of the Spine.* New Delhi, India: Amerind Publishing Company, 1975, 163 pp. $7.00.

- Vlodaver, Zeev, Neufeld, N., Edwards, Jesse E. *Coronary Arterial Variations in the Normal Heart and in Congenital Heart Disease.* New York: Academic Press, 1975. 171 pp. $12.50.

- Weiss, David W. (ed.). "Immunological Parameters of Host-Tumor Relationships. IV." *Israel Journal of Medical Sciences,* Vol. 12, No. 4-5, April-May 1976, 494 pp. $8.00.

• West, John B. (ed.). *Translations in Respiratory Physiology.* Translated from German by I.S. Levij, Jerusalem, Israel Program for Scientific Translations. Distributed by Dowden, Hutchinson and Ross, Inc., Stroudsburg, Pennsylvania, 1975. 772 pp. $25.00.

• Wolman, M. "Biological Peroxidation of Lipids and Membrances," Supplement to the *Israel Journal of Medical Sciences,* Vol. 11, 1975. 248 pp. $8.00.

IBM High-Speed Printer Installed

A new high-speed printer, the IBM 3800, has been installed in the Library's computer room. Instead of mechanical type (which prints by impact), the IBM 3800 uses a combination of laser and electrophotographic technology. The Library's previous printer produced off-line prints at a rate of about 900 lines per minute; the new printer can print about 9,000 lines per minute. Its high-speed capability should continue to assure next-day mailing of bibliographies printed off-line, even with a great increase in the use of the system.

Computer Operator Linda Ford puts a roll of paper into the IBM 3800, the Library's new high-speed printer.

NTIS Foreign Distribution Policy

The National Technical Information Service, which distributes MEDLARS tools and other technical reports, has announced a new policy affecting orders from the United Kingdom, France, Belgium, Switzerland, and Japan. Orders originating in these countries must now be sent to the managing dealers listed below, rather than to NTIS. Prices may differ somewhat from those quoted for U.S. purchasers.

• *United Kingdom:*
Microinfo Ltd.
The Post House
High Street
Alton, Hampshire
England, GU34 1EF

• *France, Belgium, and Switzerland:*

Center for Business Information
7 Rue Buffon
75005 Paris
France

• *Japan:*

Mitsubishi Research Institute, Inc.
1-8-1 Yuraku-cho
Chiyoda-ku
Tokyo 100, Japan

Recent Toxicology Searches from TIRC

The Toxicology Information Response Center (TIRC) is sponsored by NLM's Toxicology Information Program. TIRC (Oak Ridge, Tennessee 37830) prepares individual literature searches on toxicological subjects and produces special annotated bibliographies which are sold through the National Technical Information Service (Springfield, Virginia 22161). Recent TIRC publications available from NTIS are:

• *Trichloroethylene. I. An Impact Overview. II. An Abstracted Literature Collection, 1907 to 1976.* ORNL/TIRC-76/2, 265 pages, 1,673 references, $20.00.

• *Mirex. I. An Overview. II. An Abstracted Literature Collection, 1974 to 1976.* ORNL/TIRC-76/4, 98 pages, 325 references, $10.00.

• *Toxicity and Analysis of Carbon Disulfide.* ORNL/TIRC-74/1, 73 pages, 339 references, $7.00.
• *Chloroprene: Preparation, Analysis, Toxicity, and Industrial Hygiene.* ORNL/TIRC-75/1, 48 pages, 303 references, $6.00.
• *Toxicology Information Response Center Literature Search Index. Part I. 101-2100.* ORNL/TIRC-76/1, 206 pages, $7.50.

Personnel Notes

The Library Operations component of the Library has been assigned all duties connected with the selection, acquisition, and cataloging of materials for AVLINE. Formerly these duties were performed by the National Medical Audiovisual Center's Selection and Reference Section, Materials Utilization Branch. Joining the Library's staff are the following librarians who will work primarily on audiovisuals in the Technical Services Division of Library Operations: Virginia White (former NLM Library Associate), Rebecca Guenther, Meredith Horan, and Mia Hannula. Other new NLM employees, also librarians in the Technical Services Division, are Shiela Proudman, Alison Beatty, and Rosemary Owen.

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